



## F163

- 1. At power up, turn on the current sources and switch the multiplexers to charge the low pass filters of the first RTD in each of the four banks.
- 2. Wait a predetermined time (which is less than the time required to fully charge the filters).
- 3. Sample RTD#1.
- 4. Switch bank 1 source to charge RTD#2 low pass filter.
- 5. Sample RTD#4.
- 6. Switch bank 2 source to charge RTD#5 low pass filter.
- 7. Sample RTD#7.
- 8. Switch bank 3 source to charge RTD#8 low pass filter.
- 9. Sample RTD#10.
- 10. Switch bank 4 source to charge RTD#11 low pass filter.
- 11. Sample RTD#2.
- 12. Switch bank 1 source to charge RTD#3 low pass filter.
- 13. Sample RTD#5.
- 14. Switch bank 2 source to charge RTD#6 low pass filter.
- 15. Sample RTD#8.
- 16. Switch bank 3 source to charge RTD#9 low pass filter.
- 17. Sample RTD#11.
- 18. Switch bank 4 source to charge RTD#12 low pass filter.
- 19. Sample RTD#3.
- 20. Switch bank 1 source to charge calibration resistor low pass filter.
- 21. Sample RTD#6.
- 22. Switch bank 2 source to charge calibration resistor low pass filter.
- 23. Sample RTD#9.
- 24. Switch bank 3 source to charge calibration resistor low pass filter.
- 25. Sample RTD#12.
- 26. Switch bank 4 source to charge calibration resistor low pass filter.
- 27. Sample bank 1 calibration resistor.
- 28. Switch bank 1 source to RTD#1
- 29. Sample bank 2 calibration resistor.
- 30. Switch bank 2 source to RTD#4
- 31. Sample bank 3 calibration resistor.
- 32. Switch bank 3 source to RTD#7
- 33. Sample bank 4 calibration resistor.
- 34. Switch bank 4 source to RTD#10
- 35. Go to step #3